

# Complying with the Greenhouse Gas Mandatory Reporting Rule and Beyond:

# **From Strategy to Action**

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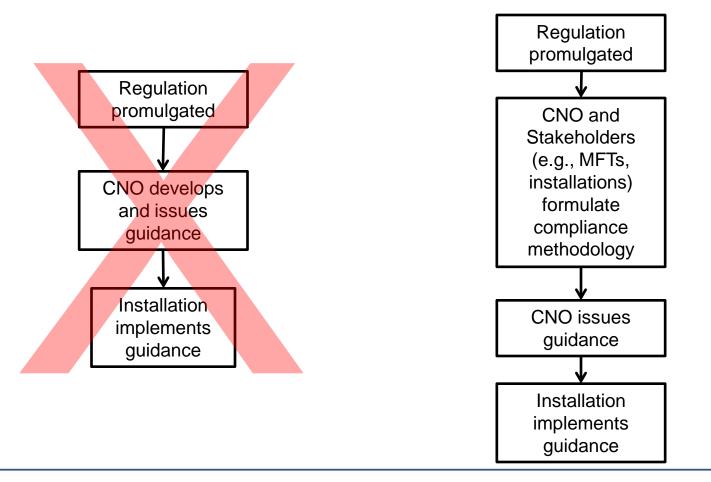
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## •Shift to an "enterprise-wide" approach

 Methodologies for compliance now developed with input from stakeholders and made uniform across the Navy



Success Story – Greenhouse Gas Mandatory Reporting Rule



## Stakeholders included:

- CNO representatives (N45)
- Members of Media Field Team (MFT), including CNIC, HQ, Regional, Echelon III representatives
- Installation/FEC air media managers
- Developed uniform response and methodology for compliance
  - Guidance issued by CNO 02 Dec 2009
  - All installations collecting GHG data to determine reporting requirements
  - Reporting conducted by individual installations
  - Reported data rolled up into Navy-wide electronic module (EDMWeb)
    - Existing air emissions module modified to include GHG data
    - New user manual was issued in Sept 2010
- Solution allows for:
  - Standardized methodologies for collecting and reporting
  - Data in a single location for easy access, review, use, and communication horizontally and vertically

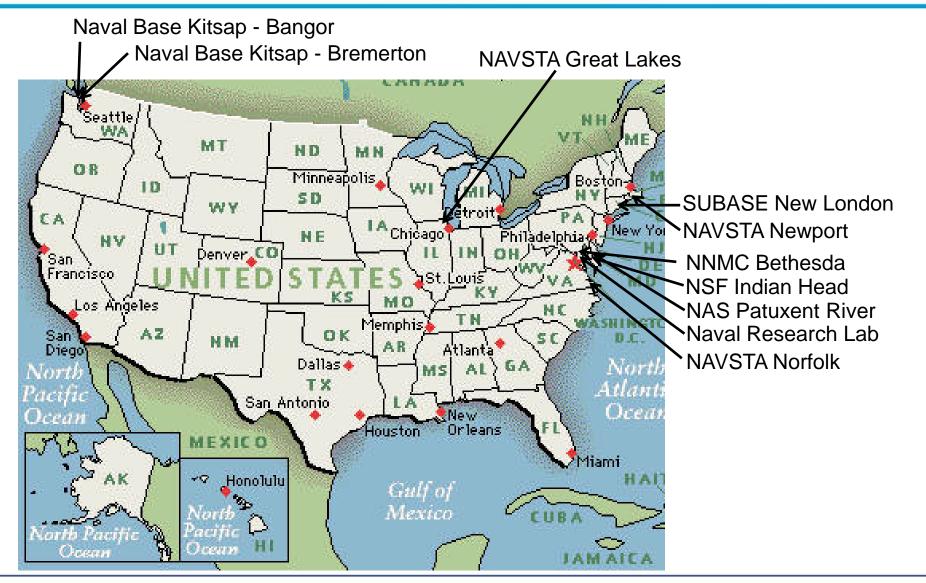


- •All Navy installations began collecting GHG data on 01 Jan 2010.
- •There will be ten installations subject to the reporting rule for 2010.
- •All affected personnel (e.g., air media managers) have attended the EPA webinar(s) related to the GHG reporting tools (e-GGRT).
- •Certificates of representation submitted, as applicable
- •The modified air module has been implemented and affected personnel have been trained on its use.

# •RESULT: All 10 affected installations are prepared to report GHG data on-time to the EPA and internally

# U.S. Navy Installations Subject to the GHG MRR







- Issued in October 2010
- •Commits Navy and Marine Corps to five energy goals:
  - Energy efficient acquisition
  - Green fleet
  - Reduction of non-tactical petroleum use (reduced by 50% in commercial vehicle fleet by 2015)
  - Increased alternative energy ashore
  - Increased alternative energy use DON-wide
- •By 2020:
  - DON will produce at least 50% of shore-based energy requirements from alternative sources
  - 50% of DON installations will be net-zero
  - 50% of total (ashore and afloat) DON energy consumption will come from alternative sources



- •Definition of formal roles and responsibilities, planning, programming, budgeting, and reporting for energy initiatives
- Science and Technology Development
- Behavioral and cultural changes
- Strategic partnerships





- •Technology maturity
- Resource availability
- •Alternative fuel availability
- Business process transformation
- •Data management





- •~450 energy projects in FY 11; > 500 scheduled for FY12
  - Focus on reducing production of energy and reducing energy consumption
  - Include projects to retrofit existing facilities as well as new construction [Retro-commissioning (RCX)]
- •Navy and Marine Corps Energy Project Management Guide issued Mar 2011
  - Standardizes process for developing and executing energy and water efficiency improvement projects, including life cycle cost analysis
  - Includes samples of emails, letters, templates, checklists, etc. for the entire project process
- •OPNAV Instruction 4100.5E
  - Currently in draft (will replace 4100.5D and 4100.6B)
  - Provides CNO policy, objectives and guidance, and responsibilities for Navy Shore Energy Management

## Summary



#### Goals have been set

- Installation, Regional, and Global
- Approach has become cross-business line (Ops, PW/Util, AM, Cl, EV) versus unilateral
- Tiger Teams

## Development of tools to meet the goals

- DUERS
- CIRCUITS
- eROI
- Programs being implemented
  - GHG reporting
  - -Energy projects

# **QUESTIONS?**